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# 2021 Annual Progress Report

March 29, 2022

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**DAVIDSON COUNTY SOLID WASTE  
REGION BOARD**



**METROPOLITAN GOVERNMENT OF  
NASHVILLE & DAVIDSON COUNTY**

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## Administrative Contact Information

### Regional Planning Contacts

Report Author: Clayton Hand, Environmental Engineer

Organization: Metro Water Services, 1600 2<sup>nd</sup> Ave N, Nashville, TN 37208

Phone: (615)862-5000

Email: clayton.hand@nashville.gov

Solid Waste Regional Planning Board or Part 9 Authority

Chair: John Sherman

Address: 526 Fairfax Ave, Nashville, TN 37212

### Planning Board

Name	Representing
Beck-Taylor, Damita	Nashville & Davidson County
Diehl, Robert	Nashville & Davidson County
Grimes, Dale	Oak Hill
Hackett, Jennifer	Nashville & Davidson County
Lockett, Midori	Nashville & Davidson County
McCormick, Jeff	Goodlettsville
Reardon, Beth	Belle Meade
Sherman, John	Nashville & Davidson County
Smith, Lisa	Nashville & Davidson County
Sullivan, Michael	Berry Hill

### Local Government Contacts

Local Government Mayor or Executive: John Cooper, Mayor

Address: Metro Courthouse, 1 Public Square, Nashville, TN 37201

Phone: (615)862-6000

Jenn Harrman, Zero Waste Program Manger

Organization: Metro Water Services, 1600 2<sup>nd</sup> Ave N, Nashville, TN 37208

John Honeysucker, Assistant Director

Organization: Metro Water Services, 1600 2<sup>nd</sup> Ave N, Nashville, TN 37208

Sharon Smith, Special Projects Manager

Organization: Metro Water Services, 1600 2<sup>nd</sup> Ave N, Nashville, TN 37208

## 10 Year and Plan Update

Thinking over the next 10 years, will any of the contents of the current Regional Plan need to be updated? The contents of the Municipal Solid Waste Region Plans, described in §68-211-815(b), are listed below. By selecting yes, there will be an opportunity to amend the section. By selecting no, the system will bring forward the last update and make it most current amendment. Tennessee Code Annotated requires Region plan amendments shall be consistent with the state solid waste plan. No

## Annual Progress Report

### 1. Convenience Center

Center Name & Address	Permit	Hours/Phone	Acceptable Items
Anderson Lane Center 939A Anderson Lane, Madison, TN 37115	CCC190000168	Tue-Sat 8:00 AM –4:30 PM (615) 860-2588	Metals, Paper, Glass, Plastic, Tires
East Center 943A Doctor Richard G. Adams Drive, 37207	CCC190000167	Tue-Sat 8:00 AM –4:30 PM (615) 862-8631	Metals, Paper, Glass, Batteries, Plastic, Pallets, Tires, Used Oil, Antifreeze, E-Scrap, Paint
Ezell Pike 5113 Harding Place, Nashville, TN 37211	CCC190000566	Tue-Sat 8:00 AM –4:30 PM (615) 880-2530	Metals, Paper, Glass, Batteries, Plastic, Pallets, Tires, Used Oil, Antifreeze, E-Scrap, Paint, Brush
Omohundro 1019 Omohundro Pl. Nashville, TN 37210	CCC190000484	Tue-Sat 8:00 AM –4:30 PM (615) 860-2588	Metals, Paper, Glass, Plastic, Pallets, Tires, E- Scrap, Brush

### 2. Public Collection (Green Box) - Does your local government have any green boxes? NO

**3. List any publicly operated curbside municipal solid waste programs**

<b>Jurisdiction</b>	<b>Collection Management</b>	<b>Collected Frequency</b>	<b>Collection Method</b>	<b>Collection: Other Items</b>	<b>Households</b>
Davidson County - USD	Public & Contract	Weekly	Fully/Semi Automated	Brush, Bulky Waste, White Goods	141,266
City of Berry Hill	Contract	Weekly	Semi - Automated	Brush, Bulky Waste, White Goods	190
City of Oak Hill	Contract	Weekly	Manual	Brush, Bulky Waste, White Goods	1,881
City of Belle Meade	Contract	Weekly	Manual	Brush	1,150
City of Goodlettsville	Contract	Weekly	Semi-Automated	Brush, Bulky Waste, White Goods	5,285
City of Forrest Hills	Open Market	Weekly	Manual	Brush	2,912

**4. List Publicly Operated Curbside Recycling Programs**

<b>Jurisdiction</b>	<b>Collection Management</b>	<b>Materials</b>	<b>Collection Method</b>	<b>Cart Size</b>	<b>Frequency</b>
Davidson County - USD	Public	Fiber/Paper, Plastic, Metals	Single Stream	96 Gal.	Monthly
City of Oak Hill	Contract	Fiber/Paper, Plastic, Metals	Single Stream	96 Gal.	Weekly
City of Goodlettsville	Contract	Fiber/Paper, Plastic, Metals	Single Stream	96 Gal.	Every other Week
City of Berry Hill	Contract	Fiber/Paper, Plastic, Metals	Single Stream	32 Gal.	Weekly
City of Belle Meade	Contract	Fiber/Paper, Plastic, Metals	Single Stream	33 Gal.	Weekly

**5. List Publicly Operated Recycling Drop-off Locations**

<b>Location</b>	<b>Address</b>	<b>Restricted Access/Staffed</b>	<b>Acceptable Material</b>
Bellevue Metro Transit Authority's Park & Ride	Coley Davis Road and Hwy 70 S	No / No	newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers
Cane Ridge High	12848 Old Hickory Blvd	No / No	Same as above
Granbery Elementary	5501 Hill Road	No / No	Same as above
Hillsboro High School	3812 Hillsboro Pike.	No / No	Same as above
Joelton Middle	3500 Old Clarksville HWY	No / No	Same as above
Lakewood City Hall	3401 Old Hickory Blvd	No / No	Same as above
McGavock High	3150 McGavock Pike	No / No	Same as above
Tennessee State University	38th Ave N and Albion St	No / No	Same as above
Whites Creek High	7277 Old Hickory Blvd	No / No	Same as above
Old Ben West Library	Polk Avenue & Union Street	No / No	newspaper, mixed paper, paper board, cardboard, aluminum, tin, plastic bottles & containers (NO GLASS)

**6. List any recovery businesses that accept, buy or process recyclable material for the county or its municipalities.**

Waste Management, 208 Riverhills Road 37201

**Materials Accepted Single Stream:** Paper/Cardboard, Plastic bottles/containers, Metal food and beverage cans

**Materials Accepted Source Separated:** Paper/Cardboard, Plastic bottles/containers, Metal food and beverage cans, glass bottles

**7. List any restricts or bans placed on wastes collected in the county or each municipality.**

Cardboard, E-scrap, Yard Waste

**8. Check all obstacles that apply to expanding recycling in the county or its municipalities**

- Funding
- Citizen apathy
- Lack of support
- Education
- Markets
- Staff
- Other

**9. Management of Organics**

City/County	Materials Collected	Products Produced	Public or Contracted
Davidson County	Yard Waste Tree Limbs Post-Consumer Food Waste	Mulch Compost	Publicly Collection / Privately Processed

**10. Assistance for Backyard Composting**

Does the county or its municipalities offer assistance for backyard composting? YES

Programs Offered: Education Programs, Demonstrations, Compost Bins

Number of Education Programs Conducted: 15

Number of Demonstrations Conducted: 0

Number of Compost Bins Distributed: 79 sold, 25 bins were given away to people attending backyard composting webinars or teachers providing composting education in school gardens.

**Disaster Debris or Storm Event**

In the last year, did a disaster debris or storm event increase the tonnage of organics diversion or disposal for the county or its municipalities?\* NO

Does your local government have a Disaster Debris Management Plan?\* YES

Has it been accepted by TEMA and FEMA?\* YES

**11. Recycling Services for Other Entities**

Does the county or its municipalities offer recycling service to other entities: NO

**12. What methods do the county and each municipality use to collect, transport and dispose of their MSW?**

County/Municipality	Collector	Equipment Type/Quantity	Destination
Davidson – USD	Publicly & Contract	Side Loader: 2 Front Loader: 10 Rear Loader: 20 Roll-off:6	Transfer Station

**13. What methods do the county and each municipality use to collect, transport and process or recycling their commodities**

County/Municipality	Collector	Equipment Type/Quantity	Destination
Davidson – USD	Publicly	Side Loader: 31 Rear Loader: 18 Roll-off: 6	Recycling Processing Facility

**14. Education Efforts**

Program	Attendees
Dirt on Composting Webinar	501-10,000
Recycle Right Nashville	County-Wide
Sustainable in the City	501-10,000
Zero Waste Nashville	County-Wide
C&D Recycling and Reuse	101-500

**15. Funding options used by the county and its municipalities to fund programs:**

Jurisdiction	Funding Type	3 Year Average
Metro Nashville & Davidson County	Surcharge	\$6.00
Metro Nashville & Davidson County	Disposal Fee	\$39.75
Metro Nashville & Davidson County	Property Taxes/General Fund	6,336,600.00
Metro Nashville & Davidson County	Sale of Recyclables	\$2,560.02
Metro Nashville & Davidson County	Grants	\$802,750.00

**16. Contracts**

Jurisdiction	Contractor	Budget	Start Date	End Date	Type	Services
Davidson	Republic	7,081,100.00	01/2002	06/2027	Contract	Disposal
Davidson	Red River	7,585,600.00	07/2004	11/2024	Contract	Collection
Davidson	Waste Industries	925,500.00	12/2019	11/2024	Contract	Collection
Davidson	Waste Management	2,500,000.00	11/2015	11/2025	Contract	Recycling Processing

Are any of the above contracts considered an exclusive franchise? NO

**17. Complete the follow section for the county and its municipalities that provide solid waste collection and/or recycling services.**

<b>Jurisdiction</b>	<b>Service Type</b>	<b>Full Time Employees</b>
Davidson County – USD	Waste Collection	43
Davidson County – USD	Recycling Collection	54

**18. Budget**

<b>Business Unit</b>	<b>Business Unit Description</b>	<b>FY 21 Budget</b>
42801200	Education/Pub Relations	368,700.00
42803100	Metro Collection	16,758,600.00
42803300	Downtown Business Collection	269,700.00
42803500	Front Loader Collection	317,300.00
42803600	Dead Animal Collection	64,700.00
42803700	Brush Collection	1,883,700.00
42804200	Downtown Business Recycling	122,200.00
42804300	Curbside Recycling	4,141,700.00
42804510	Drop Off Recycle Centers	464,900.00
42804520	Convenience/Recycle Centers	2,046,600.00
42804710	Compost Program	1,101,900.00
42804800	Household Hazardous Waste	285,600.00
42804900	Tire Program	54,000.00
42805200	Landfill Engineering	343,100.00
42805300	Bordeaux Gas Utilization	8,000.00
42861110	Administration	5,821,800.00
<b>Grand Total</b>		<b>\$34,052,500.00</b>

Note this is a duplicate of the budget submitted in the 2020 APR. All other financial data in the 2020 APR reflected FY20 costs. All financial data in this year’s report, 2021 APR, will reflect the FY21 data. Going forward we will ensure all financial data provided in the APR will be within the same fiscal year.



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## TDEC Survey Questions

- 1. Are there any policies, statutes, rules, protocols or ordinances that inhibit the county and municipalities from having effective programs? Reference specific statutes, rules, policies or documents when answering the question.**

68-101-109: Labeling of Plastic Containers - This labeling continues to be misleading regarding the recyclability of materials. This confuses our customers on what can and cannot be recycled, increases contamination in recycling which directly affects the costs of the program, and creates a lack of confidence and trust in our program from our customers who see us as limiting what we can recycle, rather than only accepting materials that are actually recyclable.

HB 1021 / SB 0431: This policy specifically prohibits our ability to enact policies that support our Solid Waste Master Plan and efforts to reduce waste to landfill. Downtown Nashville continues to be a significant generator of waste from glass bottles and this policy prevents our ability to minimize this excessive waste. This also limits our ability to address single-use plastic bags and Styrofoam in the waste stream, both of which are identified in our Solid Waste Master Plan as targets for waste reduction.

- 2. Are there any parts or utility of the 10 Year Solid Waste and Materials Management Statewide Plan, Plan Update or Annual Progress Report the county and municipalities do not understand?**

No

- 3. What role can Materials Management play to be the biggest resource to the county and its municipalities?**

Assist in identifying or developing funding for local and regional waste solutions for specific waste streams. For example, food waste composting and anaerobic digestion facilities are known solutions for processing organics, but many grant funds are looking to fund innovation rather than proven systems. We are in a place where we aren't able to divert this material from landfill without more proven processing systems, so we don't need innovation, but rather funding for known solutions.

Regional collaboration opportunities such as the Top 5 city meetings and regional GNRC meetings. These allow for collaboration and exploration of regional solutions to waste management.

- 4. What is needed in the county and municipalities to further waste reduction, recycling, diversion or end markets in Tennessee?**

Non-matching grant funding - Matching grant funds can often be difficult for waste diversion programs and projects most needed for achieving long-term goals. Non-matching grant funding would go a long way to implement solutions for waste diversion.

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End markets for materials, especially #5 plastics, rigid plastics, compost, and construction and demolition materials.

More financial incentives for infrastructure and end market development - We have limited options for recycling and composting and need a more diverse system of solutions for materials that could be encouraged with financial incentives.

**5. §68-211-871(b) requires an annual progress report on the implementation of the regional comprehensive integrated municipal solid waste management plan. What steps are the county and municipalities taking locally to contribute to regional plan implementation?**

Metro Nashville Waste Services has continued to focus heavily on Construction and Demolition recycling enacting new legislation that formed a debris management plan reporting program for all large commercial and multifamily building permits and demolition permits. This program requires that a plan is made for waste in advance of receiving a building permit and incorporates education around the availability of recycling and salvaging options for C&D debris. In the wake of this program's success we have drafted legislation that would require higher diversion from Metro Government projects that we hope to bring to council in 2022. Metro Nashville has also worked closely with and supported the Nashville Food Waste Initiative's development of a compost procurement policy to require the use of compost, thereby increasing the market for composted organics. The Mayor's Office is working with Metro's Department of General Service to pilot this policy on a future project to ensure feasibility. Metro Nashville Waste Services has also either directly applied or supported the applications for various grants to support expanding food scrap collection, processing, and diversion. This has included seeking funding to expand the city's food scrap drop off program and seeking funding to pilot co-digestion of food scraps at one of Metro Water Services waste water treatment plants. These projects were unfortunately not funded, but we continue to seek opportunities for funding programs to expand diversion.

**6. What areas would you like to see the Division of Solid Waste Management focus on in coming years to help the county and municipalities be successful implementing the Region's plan and programs?**

More Grant funding.

Economic development - Encourage recyclers and reuse/remanufacturing operations to come into the state to help develop regional infrastructure hubs around the top 5 cities that support waste reduction efforts. This would help build infrastructure networks for recycling and reuse that both Nashville and its surrounding counties could take advantage of. Specifically, it would be helpful to drive more C&D facilities and recyclers for hard to recycle materials to these hubs.

## 2021 Landfill Report

<b>MSW Landfill</b>	<b>2020 Tons</b>	<b>2021 Tons</b>
BFI Middle Point	431,173.03	437,415.96
Bi-County	1,826.47	2,468.19
Cedar Ridge	264,349.34	253,452.80
Madison County	4.55	18.24
Meadow Branch	22.73	111.99
Rhea County	31.00	53.18
Smith County	289.82	178.68
West Camden	197,060.72	246,677.40
Out of State	6,664.73	47,655.12
<b>Total</b>	<b>901,423.85</b>	<b>988,031.56</b>

<b>C&amp;D Landfilled Tons</b>	<b>2020 Tons</b>	<b>2021 Tons</b>
Southern Services	489,973.50	390,314.75
Smith County	206.41	42.70
MS-COT	2,982.00	1,357.00
Bi-County	32,922.40	40,350.50
Rutherford County C&D	3.55	
<b>TOTAL</b>	<b>526,087.86</b>	<b>432,064.95</b>

## 2021 Recycling Report

<b>Private Recycling Programs</b>	<b>2020 Tons</b>	<b>2021 Tons</b>
Automotive Fluids/ Batteries/HHW	1,853.24	1,334.72
C&D Recycling	6,465.75	13,186.22
Cardboard	24,079.19	32,928.83
Carpet/Pad	3,000.00	4,800.00
Food Waste	3,242.91	4,561.27
Glass	1,440.56	2,382.47
Grease	8,156.92	9,209.99
Metal/White Goods	77,003.73	73,207.95
Mixed Recyclables	7,528.57	9,369.06
Paper	15,958.83	9,558.92
Plastic	986.36	800.05
Textiles	2,631.72	9,005.50
Wood/Pallets	43,677.97	23,659.62
<b>TOTAL</b>	<b>196,025.75</b>	<b>194,004.60</b>

<b>Public Recycling Programs</b>	<b>2020 Tons</b>	<b>2021 Tons</b>
Automotive Fluids/Batteries/HHW	70.83	31.81
Biosolids	19,074.03	21,051.64
Cardboard	3,141.32	3,229.68
E-Waste	61.58	38.66
Food Waste	29.56	56.00
Glass	2,640.86	2,679.54
Grease	8.38	8.92
Metals	806.97	764.83
Mixed Plastic/Metal	920.84	910.12
Mixed Recyclables	12,628.99	13,145.11
Paper	1,333.22	1,305.20
Tires	6,492.80	8,483.46
Wood	47,365.18*	32,131.11
<b>TOTAL</b>	<b>94,574.56</b>	<b>83,836.08</b>

\*Increase in wood waste from the 2020 tornado.

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## About Solid Waste Region Boards

The 1991 Solid Waste Management Act required Tennessee Counties to form municipal solid waste regions. While some regions are multi-county solid waste regions, many counties in Tennessee formed a single county region. This was the case with Davidson County.

Solid waste regions were required to appoint a board that represented the cities and county within the region and to administer the activities of the solid waste planning region. Members serve for a six-year term (TCA 68-211-813).

The roles of the solid waste region board are the following:

1. Create a 10 Year Solid Waste Management Plan to reduce waste entering MSW landfills by 25% and ensure adequate disposal capacity. Each year the region board is required to submit an “Annual Progress Report” the Tennessee Department of Environment and Conservation describing any changes in the 10 Year Plan, current recycling and disposal data and future needs for the region.
2. Review permit applications for solid waste disposal facilities or incinerators within the region. The board is required to review the application against the 10 Year Plan and determine whether the application is in compliance with the plan and TCA 68-211-814.
3. Flow control or restricting import/export of solid waste across the region’s boundaries. Davidson County does not restrict the movement of solid waste.

State law also allowed for the creation of solid waste authorities. Solid waste authorities are entities having administrative, financial, and technical power to implement regional solid waste plans and programs. Davidson County did not opt for a solid waste authority.

More information on the Davidson County Solid Waste Region Board and the current Solid Waste Management Plan can be found at [nashville.gov/departments/water/boards/solid-waste-region-board](http://nashville.gov/departments/water/boards/solid-waste-region-board)